

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

38. (currently amended) An isolated polypeptide ~~not more than 100 amino acids in length~~ comprising at least one C35 peptide epitope selected from the group consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, ~~amino acids G-22 to C-30 of SEQ ID NO:2~~, amino acids C-30 to T-38 of SEQ ID NO:2, amino acids E-31 to Y-39 of SEQ ID NO:2, amino acids E-36 to A-43 of SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53; of SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of SEQ ID NO:2, amino acids E-66 to L-73 of SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids F-83 to E-103 of SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102 of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105 to V-113 of SEQ ID NO:2, and amino acids I-105 to I-114 of SEQ ID NO:2, wherein said polypeptide is at least 95% identical to a fragment of of C35 (SEQ ID NO:2).

39-46 (cancelled).

47 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

48 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

49 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

50 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

51 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

52 (cancelled).

53 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

54-55 (cancelled).

56 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

57 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

58 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.

59 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

60 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

61 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.

62 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

63 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

64 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

65 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

66 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

67 (cancelled).

68 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

69 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

70-73 (cancelled).

74 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

75 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

76 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

77 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

78 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

79 (cancelled).

80 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

81 (previously presented). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

82 (withdrawn). An isolated polypeptide according to claim 38, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

83 (cancelled).

84 (currently amended). A fusion protein comprising at least one C35 peptide epitope and additional amino acids, wherein said at least one C35 peptide epitope is a peptide epitope selected from the group consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, ~~amino acids G-22 to C-30 of SEQ ID NO:2~~, amino acids C-30 to T-38 of SEQ ID NO:2, amino acids E-31 to Y-39 of

SEQ ID NO:2, amino acids E-36 to A-43 of SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53; of SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of SEQ ID NO:2, amino acids E-66 to L-73 of SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids F-83 to E-103 of SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102 of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105 to V-113 of SEQ ID NO:2, amino acids I-105 to I-114 of SEQ ID NO:2.

85 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

86 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

87 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

88 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

89 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

90 (cancelled).

91 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

92-93 (cancelled).

94 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

95 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

96 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.

97 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

98 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

99 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.

100 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

101 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

102 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

103 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

104 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

105 (cancelled).

106 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

107 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

108-111 (cancelled).

112 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

113 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

114 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

115 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

116 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

117 (cancelled).

118 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

119 (previously presented). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

120 (withdrawn). A fusion protein according to claim 84, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

121 (previously presented). A fusion protein according to claims 84, wherein said C35 peptide epitope is linked to a heterologous epitope.

122 (cancelled).

123 (currently amended). An isolated C35 peptide epitope selected from the group consisting of: amino acids S-9 to V-17 of SEQ ID NO:2, amino acids V-10 to V-17 of SEQ ID NO:2, amino acids E-16 to V-23 of SEQ ID NO:2, amino acids E-16 to R-24 of SEQ ID NO:2, amino acids E-16 to I-25 of SEQ ID NO:2, amino acids S-21 to F-35 of SEQ ID NO:2, ~~amino acids G-22 to C-30 of SEQ ID NO:2~~, amino acids C-30 to T-38 of SEQ ID NO:2, amino acids E-31 to Y-39 of SEQ ID NO:2, amino acids E-36 to A-43 of SEQ ID NO:2, amino acids A-37 to A-45 of SEQ ID NO:2, amino acids A-37 to V-46 of SEQ ID NO:2, amino acids Y-39 to V-46 of SEQ ID NO:2, amino acids S-44 to I-53 of SEQ ID NO:2, amino acids A-45 to I-53; of SEQ ID NO:2, amino acids G-52 to L-59 of SEQ ID NO:2, amino acids E-54 to T-62 of SEQ ID NO:2, amino acids S-57 to F-75 of SEQ ID NO:2, amino acids R-58 to I-67 of SEQ ID NO:2, amino acids G-61 to I-69 of SEQ ID NO:2, amino acids G-63 to F-83 of SEQ ID NO:2, amino acids E-66 to L-73 of SEQ ID NO:2, amino acids E-66 to V-74 of SEQ ID NO:2, amino acids F-83 to E-103 of SEQ ID NO:2, amino acids D-88 to A-96 of SEQ ID NO:2, amino acids L-89 to A-96 of SEQ ID NO:2, amino acids A-92 to T-101 of SEQ ID NO:2, amino acids R-95 to L-102 of SEQ ID NO:2, amino acids A-96 to K-104 of SEQ ID NO:2, amino acids K-104 to V-113 of SEQ ID NO:2, amino acids I-105 to V-113 of SEQ ID NO:2, amino acids I-105 to I-114 of SEQ ID NO:2.

124 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-9 to V-17 of SEQ ID NO:2.

125 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids V-10 to V-17 of SEQ ID NO:2.

126 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to V-23 of SEQ ID NO:2.

127 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to R-24 of SEQ ID NO:2.

128 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-16 to I-25 of SEQ ID NO:2.

129 (cancelled).

130 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-21 to F-35 of SEQ ID NO:2.

131-132 (cancelled).

133 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids C-30 to T-38 of SEQ ID NO:2.

134 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-31 to Y-39 of SEQ ID NO:2.

135 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-36 to A-43 of SEQ ID NO:2.

136 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-37 to A-45 of SEQ ID NO:2.

137 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids Y-39 to V-46 of SEQ ID NO:2.

138 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-44 to I-53 of SEQ ID NO:2.

139 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-45 to I-53 of SEQ ID NO:2.

140 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-52 to L-59 of SEQ ID NO:2.

141 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-54 to T-62 of SEQ ID NO:2.

142 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids S-57 to F-75 of SEQ ID NO:2.

143 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids G-61 to I-69 of SEQ ID NO:2.

144 (cancelled).

145 (previously presented). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-66 to L-73 of SEQ ID NO:2.

146 (previously presented). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids E-66 to V-74 of SEQ ID NO:2.

147-150 (cancelled).

151 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids F-83 to E-103 of SEQ ID NO:2.

152 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids D-88 to A-96 of SEQ ID NO:2.

153 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids L-89 to A-96 of SEQ ID NO:2.

154 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids R-95 to L-102 of SEQ ID NO:2.

155 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids A-96 to K-104 of SEQ ID NO:2.

156 (cancelled).

157 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids K-104 to V-113 of SEQ ID NO:2.

158 (previously presented). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-105 to V-113 of SEQ ID NO:2.

159 (withdrawn). An isolated C35 peptide epitope according to claim 123, wherein said C35 peptide epitope is amino acids I-105 to I-114 of SEQ ID NO:2.

160-162 (cancelled).

163 (currently amended). A composition comprising an isolated polypeptide according to any one of claims 38-46 ~~or 160-161~~ and a pharmaceutically acceptable carrier.

164 (currently amended). A composition comprising a fusion protein according to ~~any one of claims 83, 84 or 162~~ claim 84 and a pharmaceutically acceptable carrier.

165 (previously presented). A composition comprising a fusion protein according to claim 121 and a pharmaceutically acceptable carrier.

166 (currently amended). A composition comprising an isolated C35 peptide epitope according to claim [[122]] or 123 and a pharmaceutically acceptable carrier.

167 (withdrawn). An isolated polypeptide not more than 100 amino acids in length comprising at least one C35 peptide epitope selected from the group consisting of: amino acids S-21 to Y-29 of SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids I-67 to F-75 of SEQ ID NO:2, amino acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, and amino acids K-104 to C-112 of SEQ ID NO:2.

168 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 90 amino acids in length.

169 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 80 amino acids in length.

170 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 70 amino acids in length.

171 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 60 amino acids in length.

172 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 50 amino acids in length.

173 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 40 amino acids in length.

174 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 30 amino acids in length.

175 (withdrawn). An isolated polypeptide according to claim 167, wherein said polypeptide is not more than 20 amino acids in length.

176 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids S-21 to Y-29 of SEQ ID NO:2.

177 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

178 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids T-38 to V-46 of SEQ ID NO:2.

179 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

180 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids I-67 to F-75 of SEQ ID NO:2.

181 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

182 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

183 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

184 (withdrawn). An isolated polypeptide according to claim 167, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

185 (withdrawn). A fusion protein comprising at least one C35 peptide epitope, wherein said at least one C35 peptide epitope is a peptide epitope selected from the group consisting of: amino acids S-21 to Y-29 of SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids I-67 to F-75 of SEQ ID NO:2, amino acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, and amino acids K-104 to C-112 of SEQ ID NO:2.

186 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids S-21 to Y-29 of SEQ ID NO:2.

187 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

188 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids T-38 to V-46 of SEQ ID NO:2.

189 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

190 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids I-67 to F-75 of SEQ ID NO:2.

191 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

192 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

193 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

194 (withdrawn). A fusion protein according to claim 185, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

195 (withdrawn). A fusion protein according to claims 185, wherein said C35 peptide epitope is linked to a heterologous epitope.

196 (withdrawn). An isolated C35 peptide epitope selected from the group consisting of: amino acids S-21 to Y-29 of SEQ ID NO:2, amino acids I-25 to C-30 of SEQ ID NO:2, amino acids T-38 to V-46 of SEQ ID NO:2, amino acids F-65 to L-73 of SEQ ID NO:2, amino acids I-67 to F-75 of SEQ ID NO:2, amino acids K-77 to Y-85 of SEQ ID NO:2, amino acids Q-72 to E-86 of SEQ ID NO:2, amino acids G-81 to L-89 of SEQ ID NO:2, and amino acids K-104 to C-112 of SEQ ID NO:2.

197 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids S-21 to Y-29 of SEQ ID NO:2.

198 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids I-25 to C-30 of SEQ ID NO:2.

199 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids T-38 to V-46 of SEQ ID NO:2.

200 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids F-65 to L-73 of SEQ ID NO:2.

201 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids I-67 to F-75 of SEQ ID NO:2.

202 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids K-77 to Y-85 of SEQ ID NO:2.

203 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids Q-72 to E-86 of SEQ ID NO:2.

204 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids G-81 to L-89 of SEQ ID NO:2.

205 (withdrawn). An isolated C35 peptide epitope according to claim 196, wherein said C35 peptide epitope is amino acids K-104 to C-112 of SEQ ID NO:2.

206 (withdrawn). A composition comprising an isolated polypeptide according to any one of claims 167-184 and a pharmaceutically acceptable carrier.

207 (withdrawn). A composition comprising a fusion protein according claim 185 and a pharmaceutically acceptable carrier.

208 (withdrawn). A composition comprising a fusion protein according to claim 195 and a pharmaceutically acceptable carrier.

209 (withdrawn). A composition comprising an isolated C35 peptide epitope according to claim 196 and a pharmaceutically acceptable carrier.